

IRS-100-ULT3

Railway Surveillance System

New



Features

- Intel® Skylake ULT processor
- Dual M12 LAN port
- VGA / DVI dual display
- Dual SIM card design
- 16 V DC~160 V DC input
- 2 x 2.5" hot-swappable SATA SSD drive bay
- EN 50155



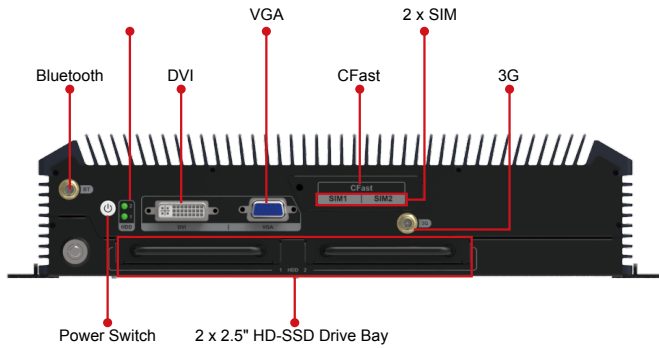
Specifications

Model Name	IRS-100-ULT3	
Chassis	Color	Blue C
	Dimensions (WxHxD) (mm)	290 x 69 x 225
	System Fan	Fanless
	Chassis Construction	Extruded aluminum alloy
Motherboard	CPU	Intel® Core™ i5-6300U processor (dual-core, 2.4 GHz, 15W TDP)
	Chipset	SoC
	System Memory	2 x 260-pin DDR4L SO-DIMM 4GB pre-installed (system max. 32 GB)
Storage	Hard Drive	2 x 2.5" SATA 6Gb/s SSD drive bay
	CFast/CF Card	1 x CFast (SATA 6Gb/s)
	mSATA	1 x mSATA (SATA 6Gb/s)
Communication	WLAN	PCIe Mini Wi-Fi 802.11 a/b/g/n/ac (optional)
	Bluetooth	BT 4.0/3.0+HS (combo with WLAN optional module)
	WWAN	PCIe Mini WCDMA/HSDPA/HSUPA (optional)
I/O Interfaces	USB 3.0	2
	USB 2.0	1 (M12 connector)
	Ethernet	2 x M12 connector PCIe GbE by Intel® I1211
	COM Port	2 x DB-9 RS-232/422/485 (with 1.5 kV isolation)
	Digital I/O	1 x Terminal block for 8-bit digital I/O (4-bit input/4-bit output, 1.5 kV isolation)
	Display	1 x VGA, 1 x DVI-D
	Resolution	VGA : Up to 1920 x 1200 @60Hz DVI-D : Up to 1920 x 1200 @60Hz
	Audio	1 x Line-out, 1 x Mic-in
Expansions	SIM	2 x SIM card slot
	PCIe Mini	2 x Full-size PCIe Mini (for WWAN / WLAN module)
Power	Power Input	M12 Connector: 24 V ~ 110 V DC
	Consumption	TBD
Reliability	Mounting	Wall mount
	Operating Temperature	-40°C ~ 70°C with air flow (with industrial SSD/CF), compliant with EN 50155
	Storage Temperature	-40°C ~ 85°C
	Humidity	10% ~ 95%, non-condensing
	Operating Shock	Compliant with EN 61373 Category 1 Class B
	Operating Vibration	Compliant with EN 61373 Category 1 Class B
OS	Weight (Net/Gross)	3.9 kg / 5.1 kg
	Safety/IEM C	CE/FCC, compliant with EN 50155, EN 50121-3-2
	Supported OS	Microsoft® Windows® Embedded 8, Microsoft® Windows® Embedded Standard 7 E

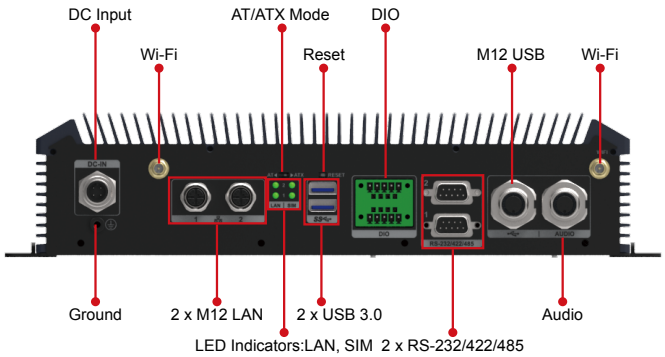
- 1 IEMobile Solutions
- 2 Automation Panel Solutions
- 3 Healthcare Panel PC Solution
- 4 Industrial System
- 5 ORing Network Communication
- 6 Automation Control
- 7 Optional Peripherals

Fully Integrated I/O

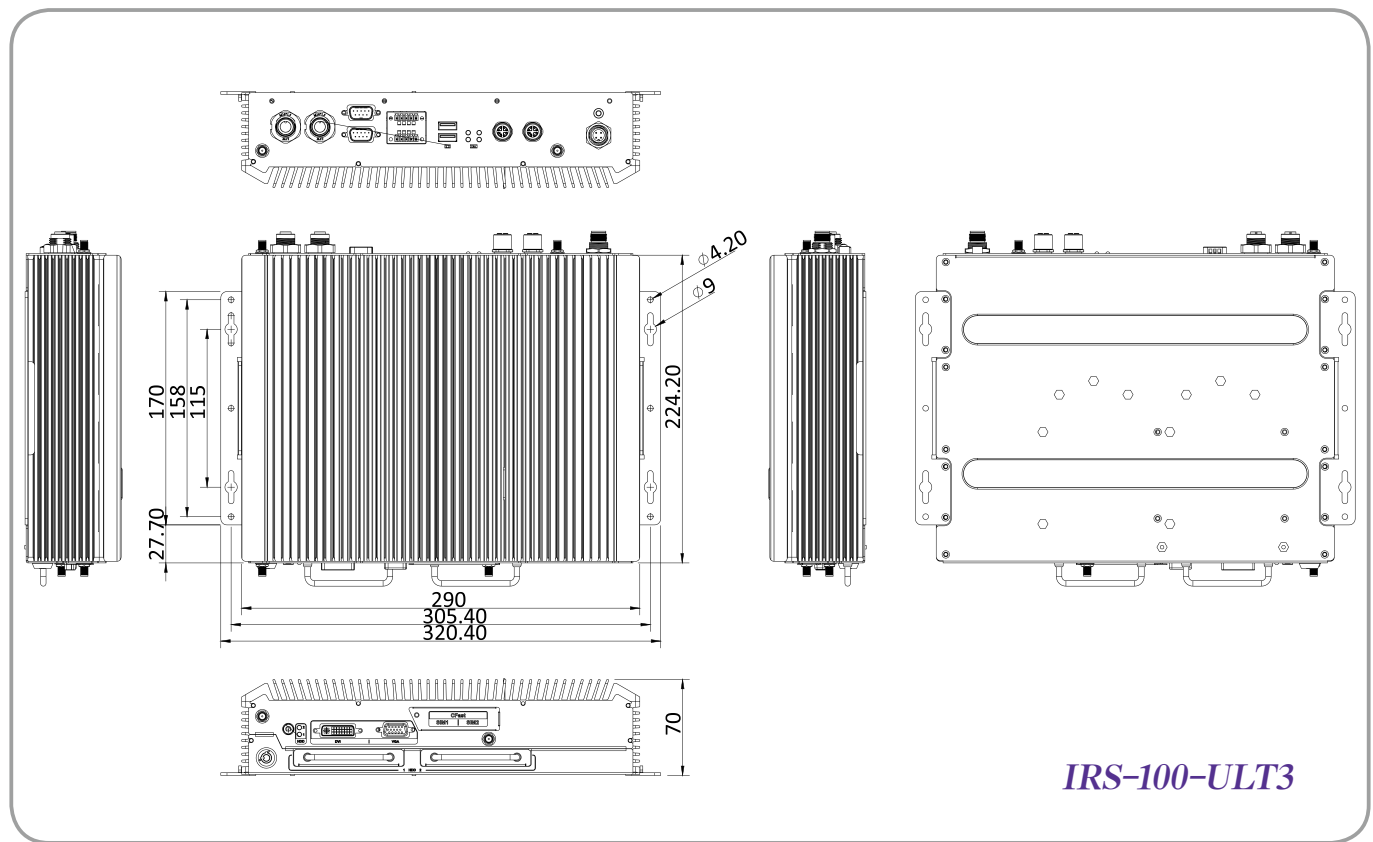
Front view



Rear view



Dimensions (Unit: mm)



Ordering Information

Part No.	Description
IRS-100-ULT3-I5/4G-R10	Fanless railway system with Intel® Core™ i5-6300U processor, (15W), 4GB DDR4L pre-installed memory, two 2.5" SATA SSD bays, VGA, DVI, two M12 GbE LAN

Options

Part No.	Description
IRS-100-ULT3-WES7E64-R10	OS Image with Windows® Embedded Standard 7 E 64-bit for IRS-100-ULT3, DVD-ROM, RoHS
IRS-WIFI-KIT02-R10	1T1R Wi-Fi module kit for embedded system, IEEE802.11a/b/g/n/ac Wi-Fi with Bluetooth 4.0/3.0+HS, 1 x Wi-Fi module, 1 x Antenna, RoHS
IRS-3G-KIT02-R10	3G module kit for embedded system, F260, 1 x 3G module, RoHS

Packing List

Item	Qty	Description
Utility CD	1	User manual and driver CD

- 1 IEIMobile Solutions
- 2 Automation Panel Solutions
- 3 Healthcare Panel PC Solution
- 4 Industrial System
- 5 ORing Network Communication
- 6 Automation Control
- 7 Optional Peripherals